Subject Index

Acetone 533
Acrylamide 404
Acryloyl-D-phenylglycine methyl ester 98
Alcohols 21, 74
Alkenes 141
Alkynes 298
Alternating copolymerization 491, 497
Aluminosilicate 21
Amidation 210
Amino acid N-carboxyanhydrides 513
Analysis 1, 8, 21, 31, 101, 105, 175, 182, 187, 231, 236, 244, 251, 351, 357, 362, 444, 452, 458, 464, 470, 473, 478, 513, 521
Axial dispersion 478

Behavior 336, 473, 539
Behavior and properties 419, 426, 434, 438
Benzyl methacrylates 45
Biphenyls 162
Blends 105, 444
Block copolymers 74, 82, 90, 210
- , alternating 391
Butyl bromide 14
Butyl methacrylate 497
t-Butylmagnesiumchloride 175

Calculations 559, 567
Carbocationic polymerization 141, 303
Carbon black 63, 404
Catalysts 1, 8, 14, 21, 28, 157 162, 168, 298, 321
Cationic polymerization 70, 74, 414, 483, 487
Cellulose 56, 357
Chelates 381
Chiral catalysts 162
Chlorosulfonation 553
Circular dichroism 351
35-CL NQR spectroscopy 521
Clays 21
^{13}C-NMR 56, 98, 175, 201, 231, 236, 244, 357
^{13}C-NMR CP/MAS 513
Cocatalysis 321
Comb-like polymers 215, 397
Computation 187, 321, 527
Conducting polymers 105
Configuration 1
Conformation 264, 357
Copolymers 63, 105, 109, 168, 196, 470, 491, 497, 505
- , sequential 31, 385, 391
- , triblock 311
Crazes 187, 426
Crosslinking 28, 39, 119, 126, 146, 196, 336, 419, 426
Crystalline copolymers 109
Crystallinity 8
Curing 438
Cyclic ethers 491
Cyclohexanes 182
Cyclosiloxanes 487

Diallyl phthalate resins 438
Differential scanning calorimetry 452, 458
Deformation 51
Determination methods 175, 182, 187, 527, 533
α,ω-Dichlorooligoisobutylenes 152
α,ω-Dimethacryloyloxy-polyisobutylene 146
3,4-Dimethoxystyrenes 414
Dimethylhydrogenosilanes 28
Dioxane-tetramethylene sulfones 282
Distributed dislocation stress analysis 187
Dithiadiphosphetane disulfide 491

Elasticity 119, 256, 264, 271, 274
Elastomeric networks 119
Electrical conductivity 105
Electrification 343
Electron-beam chemistry 39, 45
Electron-beam resist 45
Electron spectroscopy for chemical analysis (ESCA) 101
Elimination reaction 201
Engineering 291
Enzymatic degradation 201

Epoxides 63, 315
Ethyl benzoate 168
Ethyl methacrylate 497
Ethylene 168
Eyring's transition state theory 328

Ferroelectric phase transition 464
Flame retardency 101
Flory-Rehner equation 119
Fluorescence 470
Fluorine rubber 343
Fourier transform infrared spectroscopy 51
Fractures 426
Free radical polymerization 21, 288
Friedel-Crafts acids 141
Functionalization reactions 231
Functional polymers 223, 385, 391

Gas permeability 114
Gel formation 146
Gel permeation chromatography 478
Gel points 567
Graft copolymers 74, 210, 215, 397
Grafting 63, 404
Grignard reagents 162

Hexadecyl bromide 282
High-elastic state 274
High resolution NMR 56, 82
^{1}H-NMR spectroscopy 1, 82
Homopolymerization 288, 397
HPLC 70, 175, 244
Hydride transfer 411
Hydrogen bentonite 21
Hydrogen transfer polymerization 404
p- and *m*-Hydroxymethylphenylacetylene 223

Inifers 31, 146, 152
Initiation agents 63, 70, 74
Initiation methods 141, 146, 152, 157
Initiation polymerization 303, 311, 321, 404, 411, 483, 487
Iodine initiated polymerization 321
Isobutyl vinyl ethers 70

Kerr constants 373
Kinetics 282, 288

Lewis acids 487
Light scattering 182
Linear flexible-chain polymers 274
Liquid crystalline polymers 434
Liquid-liquid demixing 458
Log-normal distribution 478

Macromers 157, 215, 397
Markov chains 527
Melt-crystallization 547
Melts 559
Melt viscosity 134
Membranes 114
Methacrylate 215
Methyl acrylate 98
Methyl and styrene methacrylate 288
Methyl methacrylate 21, 98, 452, 470
Methyl-1,4-hexadiene 109
Methylbenzyl methacrylate 162
4-Methyl 2-nitroaniline 201
Microstructure 1, 51
Mooney constant 119
Mooney-Rivlin equation 336
Morphology 119, 126, 134
Multifunctional polycondensation systems 567

N-Alkanes 547
Networks 28, 119, 126, 146
Nitrile-telechelic polyisobutylenes 31
N-Vinyl carbazole 483
Olefin polymerization 141
Olefins 168
Oligoisobutylenes 152
Oligomers 175, 244
Oligosaccharides 357
Optical activity 98
Optically active solvents 98
Organic phosphites 210
Oxygen 114

Palladium (II) 351
Phase behavior 539
Phase separation 101
Phase transfer catalysis 14, 31, 223, 385, 391
Phenol 14
Phenolic resins 533
Phenylacetylenes 8
Phosphites 210
Phosphonated polystyrenes 101
Phthalic anhydrides 63
Polyacetylenes 105, 114
Polyamides 381
Poly(γ-benzyl L-glutamate) 539
Poly(benzyl methacrylate) 264
Polybutadiene 343, 444

1,2-Polybutadiene 28
Polybutyleneterephthalates 362
Polychloral 521
Polycondensation 567
Polydienes 28
Poly(2,6-dimethyl-1,4-phenylene oxide) 397
Polyesters 63, 236
Polyether sulfone macromers 215
Polyether sulfones 385
Polyethylene 291, 547
Polyethylene autoxidation 559
Polyethyleneglycols 315
Polyethylene, lamellar 553
Poly(ethylene oxide) 311
Polyethylene, ultra-high molecular weight 291
Polyformals 385
Polyisobutylene/decalin solution 256
Polyisobutylenes 31, 82, 90
Poly(isobutylene-b-indene) 74
Poly(isobutylene-g-indene) 74
Polyisocyanates 434
Polyisoprene 343
3,4-Polyisoprene 28
Polymers in medicine 201
Polymethacrylic acid derivatives 473
Poly(2 methyl-5-vinyl pyridine) 282
Poly(N-butyl methacrylamide) 191
Poly(N-methacryloyl-L-alanine) 473
Poly(N-methacryloyl-L-alanine-co-N-phenylmethacrylamide 473
Polyolefines 109, 196
Polyols 236
Poly[oxy-2,6 bis (1-methylethyl)-1,4-phenylene] 251
Poly(oxyethylene) derivatives 231
Polypeptides 373, 513
Polyphenylacetylenes 1
Polypropylene 196
Polystyrene 82, 90, 101, 182, 187
Poly(styrene-co-acrylonitrile) 126
Poly(styrene-g-isobutylene) 74
Polystyrene-polybutadiene block polymers 444
Polyurethane 126
Poly(4-vinyl pyridine) 39
Polyvinylchloride 201, 244
Poly(vinylidene fluoride) 464
Popcorn polymerization 452
Potassium tert-butylate 201
Properties 98, 101, 105, 109, 114, 191, 196, 368, 373, 381, 539, 547, 553
Propylene 109, 168
Propylene-methyl-1,4-hexadiene copolymer 196
Pseudo cross-link concept 336, 419, 426

Quaternization 39, 282

Radical copolymerization 98
Radical initiators 157
Random coil state 373
Rare earth compounds 8
Rare earth compound trialkylaluminum catalysts 298
Reaction mechanism 303, 311, 315, 321, 397, 404, 411, 414
Reactions 8, 14, 21, 28, 31, 98, 206, 210
Reactivity 109
Redox catalysis 157
Relaxation 328, 336, 343
Rheology 336
Rigid rods 271
Ring-opening copolymerization 63
Ring-opening polymerization 491
Rubber elasticity 419
Rupture 426

Sequential copolymers 146, 223
Silicate layers 21
Silicones 368
Small-single neutron scattering 444
Solid state polymerization 513
Soluble polymers 201, 231
Solution properties 191
Spectroscopy 51, 56
Spin-labelling 362
Spinning 291
Spurt effect 274
Stable carbenium salts 411
Statistical networks 28
Stereoselection 162
Stresses 256, 274
Stress-strain isotherms 119
Structure 236
Styrene 215, 321, 397, 452, 470, 497
Styrene and methyl methacrylate 288
Styrene-butadiene-styrene 105
Styrene-ethylenebutylene-styrene 105
Styrene-isoprene-styrene 105
Surfaces 21, 101, 328, 368, 553
Surface stresses 187

Suspension spinning 291
Swelling 119, 146
Swollen networks 119
Synthesis 28, 31, 74, 82, 90, 215, 223, 251

Tacticity 201
Telechelic polymers 28, 31, 101, 146
Telomers 157
Temperature dependence 134
Terminal-model kinetics 288
Thermoplastic elastomers 105
Thermotropic behavior 434
Theta point 182
Trialkylaluminum 8
Trityl halides 70
Trityl hexachloroantimonate 414
Truncated cone-and-plate (TCP) apparatus 256

UV-spectroscopy 90

Vinyl monomers 438
Vinylchloride 175
Vinylidene chloride 157
Viscoelastic functions, mastercurves 328
Viscometric behavior 264
Viscosity 134, 256, 264, 271, 274, 336, 533

Williamson etherification 385
Williamson polyetherification 391

Xanthan gum solutions 271
X-ray diffraction measurements 464

Ziegler-Natta catalysts 109

Author Index

Aharoni, S., M.: Rapid High Temperature Amidation in Presence of Organic Phosphites 210

Albert, K., see Bayer, E., et al. 231

Alvarez, G.A., Lodge, A.S., Cantow, H.-J.: Determination of the First and Second Normal Stress Differences in the Truncated-Cone-and-Plate Apparatus. 1. Measurements on a Polyisobutylene/Decalin Solution 256

Aoki, K., see Matsumoto, A., et al. 438

Aritome, H., see Hatada, K., et al. 45

Asano, T.: Melt-Crystallization of n-Alkanes and Polyethylene in a Temperature Gradient 547

Auman, B.C., see Percec, V., et al. 215

Auman, B.C., see Percec, V. 385

Auman, B.C., see Percec, V., et al. 391

Auman, B.C., see Percec, V., et al. 397

Bâlta Calleja, F.J., see Martinez-Salazar, J., et al. 553

Barboiu, V., see Simionescu, B.C., et al. 497

Bauerfeind, D.O., Wondraczek, R.H., Heublein, D.: Initiation of Cationic Vinyl Ether Polymerization by Trityl Ion Salts 70

Bayer, E., Zheng, H., Albert, K., Geckeler, K.: Functionalization of Soluble Polymers. 5. ^{13}C-NMR Studies of Poly(Oxyethylene) Derivatives 231

Bevan, L.: Computation of Craze Surface Stresses in High Impact Polystyrene 187

Bilbao, E., Rodriguez, M., Leon, L.M.: Catonic Polymerization of N-Vinyl Carbazole by Trityl Salts in Nitrobenzene 483

Blahnik, A., see Labský, J., et al. 201

Bohdanecky, M., see Ulbrich, K., et al. 191

Boutevin, B., Pietrasanta, Y., Taha, M., El Sarraf, T.: Synthesis of Macromers of Vinylchloride and Vinylidene Chloride from Telomers 157

Brame, E.G., Raevsky, A.M., Semin, G.K., Jaycox, G.D., Vogl, O.: 35-Cl NQR Spectroscopy of Polychloral 521

Brekner, M.-J., Cantow, H.-J., Schneider, H.A.: Master Surfaces of Viscoelastic Functions in the Reciprocal Temperature-Frequency Space. 1. Basic Considerations 328

Brossas, J., see Chiotis, A., et al. 101

Brossas, J., see Friedmann, G. 28

Burchell, D.J., see Lasch, J.E., et al. 51

Cagiao, M.E., see Martinez-Salazar, J., et al. 553

Cantow, H.-J., see Alvarez, G.A., et al. 256

Cantow, H.-J., see Brekner, M.-J., et al. 328

Cazê, C., see Ghesquière, D., et al. 282

Cerrai, P., see Maschio, G., et al. 321

Chakravarti, S.K., see Talapatra, S., et al. 21

Chatani, Y., see Tashiro, K., et al. 464

Cheradame, H., Gandini, A.: Reply to "Criticism of Hypotheses by Gandini and Cheradame Regarding the Initiation of Carbocationic Polymerization" 303

Chiotis, A., Clouet, G., Brossas, J., Hilaire, L.: Phase Separation of Phosphonated Polystyrenes in the Solid State. 4. Influence of this Phenomenon on their Flame Retardency Properties 101

Chow, T.Y., see Kobayashi, S., et al. 491
Clouet, G., see Chiotis, A., et al. 101

Doi, Y., see Soga, K., et al. 168
Danjo, S., see Hatada, K., et al. 45
Delporte, M., Decock-Le Reverend, B., Loucheux, C., Kozlowski, H.: Circular Dichroism Study. Palladium (II) Complexes with Polymer Bound S-Methyl-L-Cysteine 351
Diaz, F.R., Tagle, L.H., Olivares, J.P.: A Chelating Polyamide. Synthesis, Characterization and Reaction with Cu(II) Ion 381
Dobrescu, V.E., Radovici, C.: Temperature Dependence of Melt Viscosity of Polymers 134
Dreval, V.E., Protasov, V.P., Vinogradov, G.V.: Linear Flexible-Chain Polymer Electrification Conditions and Pattern at $T>T_G$ 343
Dreval, V.E., see Vinogradov, G.V., et al. 274
Duplessix, R., see Selb, J., et al. 444

Eisele, M., see Nerger, D., et al. 182
Elgert, K.-F., Kosfeld, R.: Polymerization of Vinylchloride by t-Butyl-magnesiumchloride. 2. Structure of Oligomers by C-13 NMR 175
Elgert, K.-F., Kosfeld, R.: HPLC and C-13 NMR Spectroscopy of Polymers. 2. Oligomers of Poly(Vinylchloride) 244
El Sarraf, T., see Boutevin, B., et al. 157
Erk, C.: Addition of Polyethyleneglycols to Asymmetrical Epoxides 315

Fang, T.R., Kennedy, J.P.: Syntheses and Characterization of Various Polyisobutylene-Polystyrene Block Copolymers. 1. Model Hydrosilylations and Syntheses of Tri- and H-Block Copolymers 82
Fang, T.R., Kennedy, J.P.: Syntheses and Characterization of Various Polyisobutylene-Polystyrene Copolymers. 2. Refractive Indices and UV-Spectra of Tri- and H-Block Copolymers 90
Farona, M.F., see Shen, Z. 8
Farona, M.F., see Shen, Z. 298
Fodor, Z., see Vágó, J., et al. 559
Friedmann, G., Brossas, J.: 2. Synthesis of Statistical Networks from Liquid Telechelic Dimethylhydrogenosilane Polydiene 28
Fukuda, T., Ma, Y-D., Inagaki, H.: The Failure of Terminal-Model Kinetics of Free-Radical Copolymerization 288
Furukawa, J.: Theory of Pseudo Cross-Link. 3. Rheological Behavior 336
Furukawa, J.: A Theory of Pseudo Cross-Link. 4. Rubber Elasticity 419
Furukawa, J.: A Theory of Pseudo Cross-Link. 5. Rupture 426

Gallot, Y., see Selb, J., et al. 444
Gandini, A., see Cheradame, H. 303
Gargallo, L., Muñoz, M.I., Radic, D.: Polymer Conformation and Viscometric Behaviour. 1. Conformational Transition in Poly(Benzyl Methacrylate) in Dilute Solutions 264
Geckeler, K., see Bayer, E., et al. 231
Georgiev, G.S.: Markov Chains Computational Methods for Determination of the Copolymers Composition and Microstructure as a Function of the Conversion 527
Ghesquière, D., Cazê, C., Loucheux, C.: Kinetic Study of the Quaternization of Poly(2-Methyl-5-Vinyl Pyridine) by Hexadecyl Bromide in Dioxane-Tetramethylene Sulfone Mixtures 282
Gitsov, I., see Rashkov, I., et al. 487
Giusti, P., see Maschio, G., et al. 321
Goka, S., see Suda, H., et al. 162

Greci, L., Pilati, F.: An Attempt to Evaluate Hydroxyl End-Groups in Polybutyleneterephthalate by Spin-Labelling Technique 362
Guhaniyogi, S.C., see Talapatra, S., et al. 21

Hatada, K., Kitayama, T., Danjo, S., Tsubokura, Y., Yuki, H., Moriwaki, K., Aritome, H., Namba, S.: Polymers of α-Substituted Benzyl Methacrylates as a New Type of Electron-Beam Resist 45
Hatada, K., see Kamachi, M., et al. 98
Heublein, G., see Bauerfeind, D.O., et al. 70
Higashimura, T., Masuda, T., Okada, M.: Gas Permeability of Polyacetylenes with Bulky Substituents 114
Hilaire, L., see Chiotis, A., et al. 101
Hirai, A., see Horii, F., et al. 357
Hiza, M., see Kennedy, J.P. 146
Horii, F., Hirai, A., Kitamaru, R.: Solid-State ^{13}C-NMR Study of Conformations of Oligosaccharides and Cellulose. Conformation of CH_2OH Group About the Exo-Cyclic C-C Bond 357
Hradil, J., Švec, F.: Phase Transfer Catalysis. 1. A Contribution to the Investigation of the Reaction Between Phenol and Butyl Bromide 14
Hsu, S.L., see Lasch, J.E., et al. 51
Hvilsted, S., Jørgensen, N.U.: Polyol Structural Elucidation in Binder Polyesters. 1. ^{13}C NMR Study of Fundamental Polyols in Aliphatic and Aromatic Polyesters 236

Inagaki, H., see Fukuda, T., et al. 288
Iring, M., see Vágó, J., et al. 559
Ishida, S., Kitagawa, T. Nakamoto, Y., Kaneko, K.: Average Molecular Weight of Viscosity of Acetone Solutions of Phenolic Resins 533
Itoh, R., see Kitagawa, S., et al. 196

Jauhiainen, T.-P.: Synthesis and Thermal Characterization of Poly [Oxy-2,6-bis(1-Methylethyl)-1,4-Phenylene] 251
Jaycox, G.D., see Brame, E.G., et al. 521
Jopson, H., see Lee, K.I. 39
Jopson, H., see Lee, K.I. 105
Jørgensen, N.U., see Hvilsted, S. 236

Kajiwara, K., see Nerger, D., et al. 168
Kálal, J., see Labský, J., et al. 201
Kamachi, M., Kuwae, Y., Nozakura, S., Hatada, K.: Radical Copolymerization of Optically Active Acryloyl-D-Phenylglycine Methyl Ester with Methyl Methacrylate or with Methyl Acrylate in Optically Active Solvent 98
Kaneko, K., see Ishida, S., et al. 533
Kanoh, S., see Suda, H., et al. 162
Kawakami, Y., Murthy, R.A., Yamashita, Y.: Surface Active Properties of Silicone Containing Polymers 368
Kelen, T., see Vágó, J., et al. 559
Kennedy, J.P., see Fang, T.R. 82
Kennedy, J.P., see Fang, T.R. 90
Kennedy, J.P., Hiza, M.: New Telechelic Polymers and Sequential Copolymers by Polyfunctional Initiator-Transfer Agents (Inifers). 38. New Networks from α,ω-Di(Methacryloyloxy)-Polyisobutylene 146
Kennedy, J.P., see Nguyen, H.A. 74
Kennedy, J.P., see Percec, V. 31
Kennedy, J.P., Wondraczek, R.: Criticism of Hypotheses by Gandini and Cheradame Regarding the Initiation of Carbocationic Polymerization 141
Kim, S.C., see Park, I.H., et al. 126
Kitagawa, S., Okada, I.: Reactive Polyolefine. 1. A New Crystalline Copolymer of Propylene with Methyl-1,4-Hexadiene 109

Kitagawa, S., Okada, I., Itoh, R.: Reactive Polyolefine. 2. Properties of Propylene-Methyl-1,4-Hexadiene Copolymer 196
Kitagawa, T., see Ishida, S., et al. 533
Kitamaru, R., see Horii, F., et al. 357
Kitayama, T., see Hatada, K., et al. 45
Klonowski, W.: Gel Points for Multifunctional Polycondensation Systems 567
Kobayashi, M., see Tashiro, K., et al. 464
Kobayashi, S., Chow, T.Y., Saegusa, T.: Ring-Opening Spontaneous Alternating Copolymerization of a Dithiadiphosphetane Disulfide with Cyclic Ethers 491
Kosfeld, R., see Elgert, K.F. 175
Kosfeld, R., see Elgert, K.F. 244
Kozlowski, H., see Delporte, M., et al. 351
Kricheldorf, H.R., Müller. D.: Secondary Structure of Peptides 12. ^{13}C NMR CP/MAS Study of Amorphous Polypeptides Prepared by Solid State Polymerization of Amino Acid N-Carboxyanhydrides (NCAs) 513
Kunze, J., Scheler, G., Schröter, B., Philipp, B.: ^{13}C High Resolution Solid State NMR Studies on Cellulose Samples of Different Physical Structure 56
Kuwae, Y., see Kamachi, M., et al. 98

Labský, J., Mikeš, F., Blahnik, A., Kálal, J.: Enzymatic Degradation of Side Chains of Soluble Polymers. Rate of Release of 4-Methyl-2-Nitroaniline as a Function of the Side Chain Length 201
Lasch, J.E., Masaoka, T., Burchell, D.J., Hsu, S.L.: Polymer Deformation Studies by Time Resolved Fourier Transform Infrared Spectroscopy 51
Lee, K.L., Jopson, H.: Electron-Beam Chemistry of Poly(4-Vinyl Pyridine) and its Quaternized Salts 39
Lee, K.I., Jopson, H.: Electrically Conductive Thermoplastic Elastomer/Polyacetylene Blends 105
Lee, J.H., see Park, I.H., et al. 126
Leon, L.M., see Bilbao, E., et al. 483
Lodge, A.S., see Alvarez, G.A., et al. 256
López-Cabarcos, E., see Martinez-Salazar, J., et al. 553
López-Piñeiro, A., Tarazona, M.P., Saiz, E.: Kerr Constants of Random Coil Polypeptides 373
Loucheux, C., see Delporte, M., et al. 351
Loucheux, C., see Ghesquière, D., et al. 282
Loucheux, C., see Morcellet-Sauvage, J., et al. 473

Ma, Y-D., see Fukuda, T., et al., 288
Maderek, E., Wolf, B.A.: Detection of the Liquid-Liquid Demixing by Differential Scanning Calorimetry 458
Manolova, N.E., Velichkova, R.S., Panayotov, I.M.: Hydride Transfer to Stable Carbenium Salts 411
Marechal, E., see Tessier, M. 152
Marie, P., see Selb, J., et al. 444
Mark, J.E., see Queslel, J.P. 119
Martinez, G., Mijangos, C., Millán, J.: Selective Elimination Reaction on PVC with Potassium Tert-Butylate 206
Martinez-Salazar, J., Rueda, D.R., Cagiao, M.E., López-Cabarcos, E., Baltá Calleja, F.J.: Influence of Chlorosulfonation on the Surfaces Mechanical Properties of Lamellar Polyethylene 553
Masaoka, T., see Lasch, J.E., et al., 51
Maschio, G., Cerrai, P., Giusti, P.: Modelling of Polymerization Reactions. 3. Computer Simulation of Iodine Initiated Polymerization of Styrene: Effect of Temperature, Solvent and Hydrogen Iodide Cocatalysis 321

Masuda, T., see Higashimura, T., et al. 114
Matlengiewicz, M.: Characterization of Copolymers Chains Based on Probabilities of Sequences Longer than Diads 505
Matsumoto, A., Aoki, K., Oiwa, M., Ochi, M., Shimbo, M.: Mechanical Properties of Diallyl Phthalate Resins Co-Cured Microheterogeneously with Vinyl Monomers Having Long-Chain Alkyl Groups 438
Mijangos, C., see Martinez, G., et al. 206
Milas, M., Rinaudo, M.: Properties of the Concentrated Xanthan Gum Solutions 271
Mikeš, F., see Labský, J., et al. 201
Millán, J., see Martinez, G., et al. 206
Morcellet, M., see Morcellet-Sauvage, J., et al. 473
Morcellet-Sauvage, J., Morcellet, M., Loucheux, C.: Polymethacrylic Acid Derivatives. 6. Hydrodynamic Behavior of Poly(N Methacrylolyl-L-Alanine-Co-N Phenyl-Methacrylamide) 473
Moriwaki, K., see Hatada, K., et al. 45
Motoi, M., see Suda, H., et al. 162
Mrkvickova, L., see Ulbrich, K., et al. 191
Müller, D., see Kricheldorf, H.R. 513
Muñoz, M.I., see Gargallo, L., et al. 264
Murthy, R.A., see Kawakami, Y., et al. 368
Murose, N., see Suda, H., et al. 162

Nagano, Y., see Tsubokawa, N., et al. 404
Nagy, T.T., see Vágó, J., et al. 559
Nakamoto, Y., see Ishida, S., et al. 533
Namba, S., see Hatada, K., et al. 45
Nerger, D., Eisele, M., Kajiwara, K.: Dimensions of Poly(Styrene) in the Vicinity of the Theta Point 182
Netopilík, M.: Analytical Solution of the Effect of Axial Dispersion in the Analysis of a Polymer with the Log-Normal Distribution by Gel Permeation Chromatography with a Molecular Weight Detector 478
Nguyen, H.A., Kennedy, J.P.: Initiation of Cationic Polymerization with Alcohol/Lewis Acid Systems. 4. Synthesis of Poly (Styrene-g-Isobutylene), Poly (Isobutylene-g-Indene) and Poly (Isobutylene-b-Indene) from Polymers Carrying Hydroxyl Groups 74
Nozakura, S., see Kamachi, M., et al. 98

Ochi, M., see Matsumoto, A., et al. 438
Oiwa, M., see Matsumoto, A., et al. 438
Okada, I., see Kitagawa, S. 109
Okada, L., see Kitagawa, S., et al. 196
Okada, M., see Higashimura, T., et al. 114
Olivares, J.P., see Diaz, F.R., et al. 381

Panayotov, I.M., see Manolova, N.E., et al. 411
Panayotov, I., see Rashkov, I., et al. 487
Park, I.H., Lee, J.H., Kim, S.C.: Dynamic Mechanical Properties of Interpenetrating Polymer Networks of Polyurethane and Poly (Styrene-co-Acrylonitrile) 126
Pennings, A.J., see Smook, J. 291
Percec, V.: Microstructure of Polyphenylacetylene Obtained by $MoCl_5$ and WCl_6 Type Catalysts 1
Percec, V., Auman, B.C.: Functional Polymers and Sequential Copolymers by Phase Transfer Catalysis. 5. Synthesis and Characterization of Polyformals of Aromatic Polyether Sulfones 385
Percec, V., Auman, B.C., Rinaldi, P.L.: Functional Polymers and Sequential Copolymers by Phase Transfer Catalysis. 6. On the Phase Transfer Catalyzed Williamson Polyetherification as a New Method for the Preparation of Alternating Block Copolymers 391

Percec, V., Kennedy, J.P.: New Telechelic Polymers and Sequential Copolymers by Polyfunctional Initiator-Transfer Agents (Inifers). 36. Synthesis and Characterization of Various Nitrile-Telechelic Polyisobutylenes 31

Percec, V., Rinaldi, P.L., Auman, B.C.: Comb-Like Polymers and Graft Copolymers from Macromers. 1. Synthesis and Characterization of Methacrylate and Styrene Macromers of Aromatic Polyether Sulfones 215

Percec, V., Rinaldi, P.L.: Functional Polymers and Sequential Copolymers by Phase Transfer Catalysis. 4. A New and Convenient Synthesis of p- and m-Hydroxymethylphenylacetylene 223

Percec, V., Rinaldi, P.L., Auman, B.C.: Comb-Like Polymers and Graft Copolymers from Macromers. 2. Synthesis, Characterization and Homopolymerization of a Styrene Macromer of Poly(2,6-Dimethyl-1,4-Phenylene Oxide) 397

Philipp, B., see Kunze, J., et al. 56

Pietrasanta, Y., see Boutevin, B., et al. 157

Pilati, F., see Greci, L. 362

Protasov, V.P., see Dreval, V.E., et al. 343

Protasov, V.P., see Vinogradov, G.V., et al. 274

Queslel, J.P., Mark, J.E.: Characterization of Elastomeric Network Structures Using the Effects of Swelling on Stress-Strain Isotherms and the Extents of Swelling at Thermodynamic Equilibrium 119

Rabia, I., see Simionescu, C.I. 311

Radic, D., see Gargallo, L., et al. 264

Radovici, C., see Dobrescu, V.E. 134

Raevsky, A.M., see Brame, E.G., et al. 521

Rameau, A., see Selb, J., et al. 444

Rashkov, I., Gitsov, I., Panayotov, I.: Cationic Polymerization Initiated by Intercalation Compounds of Lewis Acids Polymerization of Cyclosiloxanes 487

Reverend, B.D., see Delporte, M., et al. 351

Rinaldi, P.L., see Percec, V., et al. 215

Rinaldi, P.L., see Percec, V. 223

Rinaldi, P.L., see Percec, V., et al. 391

Rinaldi, P.L., see Percec, V., et al. 397

Rinaudo, M., see Milas, M. 271

Rodriguez, M., see Bilbao, E., et al. 483

Rooney, J.M.: Cationic Polymerization of 3,4-Dimethoxystyrene by Trityl Hexachloroantimonate 414

Rueda, D.R., see Martinez-Salazar, J., et al. 553

Saegusa, T., see Kobayashi, S., et al. 491

Saha, S.K., see Talapatra, S., et al. 21

Saiz, E., see López-Piñeiro, A., et al. 373

Sasaki, S., Tokuma, K., Uematsu, I.: Phase Behavior of Poly(γ-Benzyl L-Glutamate) Solutions in Benzyl Alcohol 539

Scheler, G., see Kunze, J., et al. 56

Schneider, H.A., see Brekner, M.-J., et al. 328

Schröter, B., see Kunze, J., et al. 56

Selb, J., Marie, P., Rameau, A., Duplessix, R., Gallot, Y: Study of the Structure Block Copolymer-Homopolymer Blends Using Small Angle Neutron Scattering 444

Semin, G.K., see Brame, E.G., et al. 521

Seurin, M.J., Ten Bosch, A., Sixou, P.: Thermotropic Behavior of Polyisocyanates 434

Shen, Z., Farona, F.: Polymerization of Phenylacetylene by Rare Earth Compound/Trialkylaluminum Catalysts 8

Shen, Z., Farona, M.F.: Polymerization of Terminal Alkynes by Rare Earth Compound/Trialkylaluminum Catalysts 298
Shimbo, M., see Matsumoto, A. et al. 438
Shiono, T., see Soga, K., et al. 168
Sienicki, K.: Fluorescence Measurements of Critical Concentration of Styrene and Methyl Methacrylate Copolymers in Solution 470
Simionescu, B.C., Talmaciu, V., Barboiu, V., Simionescu, C.I.: Alternating Coplymerization of Ethyl Methacrylate and Butyl Methacrylate with Styrene in the Presence of $ZnCl_2$ 497
Simionescu, C.I., Rabia, I.: Triblock Copolymers of 2-Substituted-2-Oxazoline and Poly(Ethylene Oxide) 311
Simionescu, C.I., see Simionescu, B. C., et al. 497
Sixou, P., see Seurin, M.J., et al. 434
Smook, J., Pennings, A.J.: Suspension Spinning of Ultra-High Molecular Weight Polyethylene 291
Soga, K., Shiono, T., Doi, Y.: Effect of Ethyl Benzoate on the Copolymerization of Ethylene with Higher α-Olefins over $TiCl_4/MgCl_2$ Catalytic Systems 168
Sone, Y., see Tsubokawa, N., et al. 63
Sone, Y., see Tsubokawa, N., et al. 404
Suda, H., Kanoh, S., Murose, N., Goka, S., Motoi, M.: Asymmetric Selection Polymerization of (RS)-α-Methylbenzyl Methacrylate with Axially Chiral Catalysts Prepared from Grignard Reagents and Biphenyl Derivatives 162
Švec, F., see Hradil, J. 14

Tadokoro, H., see Tashiro, K., et al. 464
Tagle, L.H., see Diaz, F.R., et al. 381
Taha, M., see Boutevin, B., et al. 157
Takano, K., see Tashiro, K., et al. 464
Talapatra, S., Saha, S.K., Chakravarti, S.K., Guhaniyogi, S.C.: Aqueous Polymerization on Clay Surface. 1. The Polymerization of Methymetacrylate on Hydrogen Bentonite: Effect of Alcohols 21
Talmaciu, V., see Simionescu, B.C. et al. 497
Tarazona, M.P., see López-Piñeiro, A., et al. 373
Tashiro, K., Takano, K., Kobayashi, M., Chatani, Y., Tadokoro, H.: A Preliminary X-Ray Study on Ferroelectric Phase Transition of Poly(Vinylidene Fluoride) Crystal Form I 464
Tatsumi, M., Yamamoto, S.: Popcorn Polymerization. 7. Study on Popcorn Polymerization of Methyl Methacrylate by Differential Scanning Calorimeter 452
Ten Bosch, A., see Seurin, M.J., et al. 434
Tessier, M., Marechal, E.: Synthesis of Mono and Difunctional Oligoisobutylenes. 2. Structural Study of α,ω-Dichlorooligoisobutylenes Obtained by the Inifer Method 152
Tokuma, K., see Sasaki, S., et al. 539
Tsubokawa, N., Yamada, A., Sone, Y.: Grafting of Polyester onto Carbon Black. 4. Copolymerization of Epoxide with Phthalic Anhydride Initiated by COOK Groups on Carbon Black Surface 63
Tsubokawa, N., Nagano, Y., Sone, Y.: Grafting of Poly-β-Alanine from Carbon Black. Hydrogen Transfer Polymerization of Acrylamide Initiated by Lithium Phenolate Group on the Surface of Carbon Black 404
Tsubokura, Y., see Hatada, K., et al. 45
Tüdős, F., see Vágó, J., et al. 559

Uematsu, I., see Sasaki, S., et al. 539
Ulbrich, K., Mrkvičková, L., Bohdaneckỳ, M.: Solution Properties of Poly(N-Butyl Methacrylamide) 191

Vágó, J., Fodor, Z., Nagy, T.T., Iring, M., Kelen, T., Tüdős, F.: Kinetic Evaluation of Polyethylene Autoxidation in Melts 559
Velichkova, R.S., see Manolova, N. E., et al. 411
Vinogradov, G.V., see Dreval, V.E., et al. 343
Vinogradov, G.V., Protasov, V.P., Dreval, V.E.: Transition of Linear Flexible-Chain Polymers from the Fluid to the High-Elastic State, Spurt Effect, and Superspurting Modes of Their Motion 274
Vogl, O., see Brame, E.G., et al. 521

Wolf, B.A., see Maderek, E. 458
Wondraczek, R.H., see Bauerfeind, D.O., et al. 70
Wondraczek, R., see Kennedy, J.P. 141

Yamada, A., see Tsubokawa, N., et al. 63
Yamamoto, S., see Tatsumi, M. 452
Yamashita, Y., see Kawakami, Y., et al. 368
Yuki, H., see Hatada, K., et al. 45

Zheng, H., see Bayer, E., et al. 231